

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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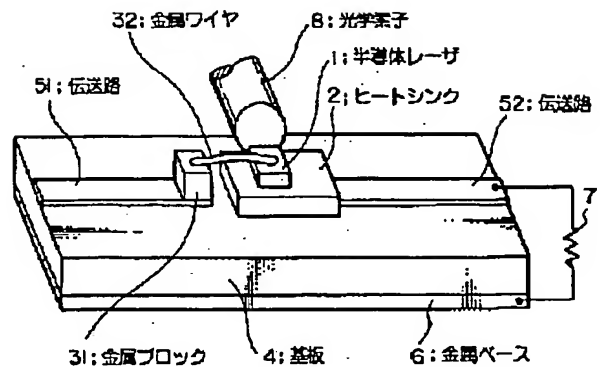
APPLICATION DATE : 27-10-93  
APPLICATION NUMBER : 05269204

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INVENTOR : OKI TOKUYASU;

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TITLE : SEMICONDUCTOR LASER  
MODULATION CIRCUIT DEVICE



ABSTRACT : PURPOSE: To provide a semiconductor laser modulation circuit device wherein parasitic inductance can be lowered and a semiconductor laser can be modulated at high frequencies.

CONSTITUTION: As a means for connecting an electrode of a semiconductor laser 1 to transmission paths 51, 52, a metallic surface of a heat sink 2 is used to directly connect them, and a metallic wire is made unnecessary. Furthermore, since an upper electrode of the semiconductor laser 1 and the transmission path 51 are connected through a metallic wire 32 via a metallic block 31 whose height is approximately the same as that of the upper electrode of the semiconductor laser 1, the length of a metallic wire can be shortened. Furthermore, since influence of stress which works on an upper electrode of a semiconductor laser is small, a sectional area of a metallic wire can be enlarged.

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